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(54) **Method of multichannel media access control**

(57) The present invention discloses a method of multichannel media access control of a cognitive radio, wherein a plurality of primary systems and a plurality of cognitive radio devices perform transmitting control and data transmitting in a plurality of channels. Any one of the channels is occupied by any one of the primary system with priority when the primary system wants to perform the transmitting control and data transmitting, and the cognitive radio devices get the channels occupied via a spectrum sensing then choose an idle channel dynamically to eliminate / avoid the communication collision in the channels. Thus the data to be transmitted by the cognitive radio devices could be sent to the backbone networks through the idle channels, and the channel using efficiency of the networks is improved.

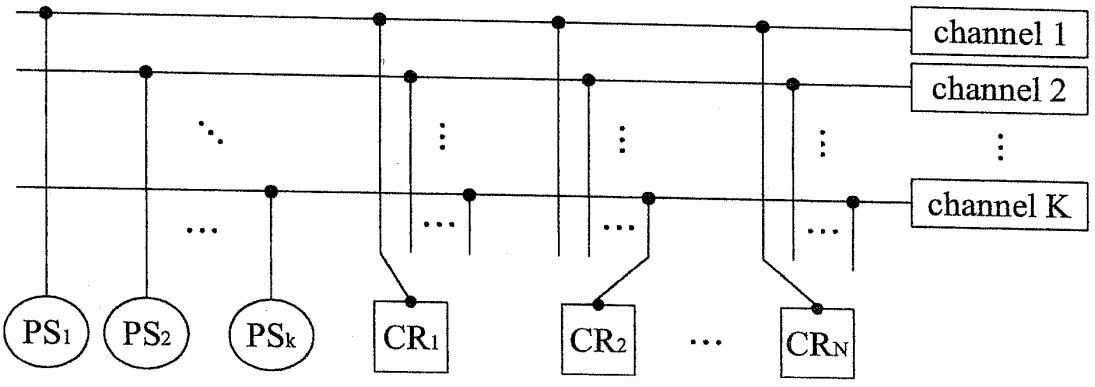

FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 10 17 2777

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	WO 2007/081503 A1 (THOMSON LICENSING [FR]; GAO WEN [US]; LIU HANG [US]) 19 July 2007 (2007-07-19) * page 10, line 4 - line 10 * * page 26, line 16 - page 29, line 25; figures 6,7 *	1-14	INV. H04B1/719 H04W72/04 H04W74/08
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TECHNICAL FIELDS SEARCHED (IPC)
H04W

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
Munich	27 June 2014	Bossen, Michael

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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27-06-2014

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